







United States Patent and Trademark Office

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER OF PATENTS AND TRADEMARK
Washington, D.C. 20231

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/716,900	11/20/2000	Dieter Draxelmayr	INF-P10182	8143
75	03/14/2002	•		
Lerner and Gr	eenberg PA	g PA EXAMINER		
P O Box 2480 Hollywood, FL	33022-2480		STRECKER,	GERARD R
			ART UNIT	PAPER NUMBER
			2862	
		•	DATE MAILED: 03/14/2002	!

Please find below and/or attached an Office communication concerning this application or proceeding.

### Office Action Summary Carrier Carrier	× _k	Application No.	Applicant(s)
Examiner Group Art Unit G. R. STRECKER Group Art Unit SZC2 -The MAILING DATE of this communication appears on the cover sheet beneath the correspondence address— Period for Repty A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE - Estatesions of time may be available under the provisions of 37 CRR 1.136(a). In no event, however, may a reply be timely filed after SIX (8) MONTHS from the mailing date of this communication. - If the period from reply specified above, such period shall, by default, expins SIX (8) MONTHS from the mailing date of this communication. - If the period for reply is specified above, such period shall, by default, expins SIX (8) MONTHS from the mailing date of this communication. - If allow to negly within the set or catenaded period for reply will, by statute, cause the application to become ABADONDE (05 U.S.C. § 133). - Any reply received by the office later than there months after the mailing date of this communication, even if timely, may reduce any earned patent item abligation. - Status - Responsive to communication(s) filed on	Office Action Comments	09/716,900 DRAXELMAYR	
- The MAILING DATE of this communication appears on the cover sheet beneath the correspondence address — Period for Repty A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE		Examiner	Group Art Unit
Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE		G.R. STREC	KER 2862
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE	-The MAILING DATE of this communication appear	s on the cover sheet b	eneath the correspondence address—
Extensions of time may be available under the provisions of 37 CFR 1.138(a). In no event, however, may a reply be timely filed after SIX (8) MONTHS from the mailing date of this communication. 1 this period for reply specified above, such period shalt, by default, expire SIX (8) MONTHS from the mailing date of this communication. 1 File period for reply specified above, such period shalt, by default, expire SIX (8) MONTHS from the mailing date of this communication. 1 File period for reply specified above, such period shalt, by default, expire SIX (8) MONTHS from the mailing date of this communication. 1 File period for reply specified above, such period shalt, by default, expire SIX (8) MONTHS from the mailing date of this communication. 2 File period for reply specified above, such period shalt, by default, expire SIX (8) MONTHS from the mailing date of this communication. 3 File period for reply specified above, such period shalt, by default, expire SIX (8) MONTHS from the mailing date of this communication to become ABAIDONED (SI USLC, § 133). 3 File period for reply specified above, such period for reply with the stautory maintenance of the communication of the stautory maintenance and period for reply with the stautory maintenance and period for reply with the practice time and period for reply with the stautory maintenance and period for reply specified above, such period for reply specified for specified above, such period for reply specified for specified above, such period for specified for specified for period for the priority documents have been received. 3 File period for the certified copies of the priority documents have been received in Application No. 4 Catified Copies of the certif	Period for Reply		
from the mailing date of this communication. If the period for reply is specified above, such period shall, by default, expini SIX (6) MONTHS from the mailing date of this communication. Failure to reply within the set or exhanded period for reply will, by set such, cause the application to become ABANDONED (SS U.S.C. § 133). Any reply recolved by the Office later than three months after the mailing date of this communication, even if timely, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status Responsive to communication(s) filled on		O EXPIRE 3	MONTH(S) FROM THE MAILING DATE
Responsive to communication(s) filed on This action is FINAL. Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 1 1; 453 O.G. 213. Disposition of Claims	from the mailing date of this communication. If the period for reply specified above is less than thirty (30) days, a If NO period for reply is specified above, such period shall, by defau Failure to reply within the set or extended period for reply will, by standard period for reply received by the Office later than three months after the market period for reply received by the Office later than three months after the market period for reply received by the Office later than three months after the market period for reply received by the Office later than three months after the market period for reply specified above is less than thirty (30) days, a If NO period for reply specified above is less than thirty (30) days, a If NO period for reply is specified above is less than thirty (30) days, a If NO period for reply is specified above is less than thirty (30) days, a If NO period for reply is specified above is less than thirty (30) days, a If NO period for reply within the set or extended period for reply will, by standard the set of the set	reply within the statutory minute, expire SIX (6) MONTHS fratute, cause the application	nimum of thirty (30) days will be considered timely. rom the mailing date of this communication. to become ABANDONED (35 U.S.C. § 133).
This action is FINAL. Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 1 1; 453 O.G. 213. Disposition of Claims Claim(s)	Status		
Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11; 453 O.G. 213. Disposition of Claims Claim(s)	☐ Responsive to communication(s) filed on		
accordance with the practice under Ex parte Quayle, 1935 C.D. 1 1; 453 O.G. 213. Disposition of Claims Claim(s	☐ This action is FINAL.		
Claim(s)			
Of the above claim(s) is/are withdrawn from consideration. Claim(s) is/are allowed. Claim(s) is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction or election requirement The proposed drawing correction, filed on is/are objected to by the Examiner The proposed drawing correction, filed on is/are objected to by the Examiner The specification is objected to by the Examiner. The oath or declaration is objected to by the Examiner. Priority under 35 U.S.C. § 119 (a)-(d) Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119 (a)-(d). All Some* None of the: Certified copies of the priority documents have been received. Certified copies of the priority documents have been received in Application No. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)) *Certified copies not received: Attachment(s) Information Disclosure Statement(s), PTO-1449, Paper No(s). Notice of Reference(s) Cited, PTO-892 Notice of Draftsperson's Patent Drawing Review, PTO-948	Disposition of Claims		
Claim(s)	X Claim(s) /-/5		is/are pending in the application.
Claim(s)	Of the above claim(s)	is/are withdrawn from consideration.	
Claim(s)	□ Claim(s)		is/are allowed.
Claim(s)			is/are rejected.
Application Papers The proposed drawing correction, filed on	□ Claim(s)		is/are objected to.
The proposed drawing correction, filed on	□ Claim(s)		
The drawing(s) filed on is/are objected to by the Examiner The specification is objected to by the Examiner. The oath or declaration is objected to by the Examiner. Priority under 35 U.S.C. § 119 (a)-(d) Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119 (a)-(d). All □ Some* □ None of the:	••		• •
The specification is objected to by the Examiner. The oath or declaration is objected to by the Examiner. Priority under 35 U.S.C. § 119 (a)-(d) Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119 (a)-(d). All □ Some* □ None of the: Certified copies of the priority documents have been received. □ Certified copies of the priority documents have been received in Application No. □ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)) *Certified copies not received: Attachment(s) Information Disclosure Statement(s), PTO-1449, Paper No(s) □ Interview Summary, PTO-413 Notice of Reference(s) Cited, PTO-892 □ Notice of Informal Patent Application, PTO-152 □ Notice of Draftsperson's Patent Drawing Review, PTO-948 □ Other		* *	
The oath or declaration is objected to by the Examiner. Priority under 35 U.S.C. § 119 (a)–(d) Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119 (a)–(d). All □ Some*□ None of the: Certified copies of the priority documents have been received. □ Certified copies of the priority documents have been received in Application No. □ □ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)) *Certified copies not received: □ □ Interview Summary, PTO–413 Information Disclosure Statement(s), PTO–1449, Paper No(s). □ □ Interview Summary, PTO–413 Notice of Reference(s) Cited, PTO–892 □ Notice of Informal Patent Application, PTO–152 Notice of Draftsperson's Patent Drawing Review, PTO–948 □ Other □		cted to by the Examiner	
Priority under 35 U.S.C. § 119 (a)–(d) Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119 (a)–(d). All Some* None of the: Certified copies of the priority documents have been received. Certified copies of the priority documents have been received in Application No. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)) *Certified copies not received: Attachment(s) Information Disclosure Statement(s), PTO–1449, Paper No(s). Notice of Reference(s) Cited, PTO–892 Notice of Draftsperson's Patent Drawing Review, PTO–948	• •	•	
Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119 (a)–(d). All □ Some* □ None of the: Certified copies of the priority documents have been received. □ Certified copies of the priority documents have been received in Application No. □ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)) *Certified copies not received: Attachment(s) All □ Some* □ None of the: □ Certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)) *Certified copies not received: □ Notice of Reference(s) Cited, PTO–1449, Paper No(s). □ Interview Summary, PTO–413 □ Notice of Informal Patent Application, PTO–152 □ Notice of Draftsperson's Patent Drawing Review, PTO–948	☐ The dath or declaration is objected to by the Examiner.		
All □ Some* □ None of the:			
Certified copies of the priority documents have been received. Certified copies of the priority documents have been received in Application No. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)) *Certified copies not received: Attachment(s) Information Disclosure Statement(s), PTO-1449, Paper No(s). Notice of Reference(s) Cited, PTO-892 Notice of Draftsperson's Patent Drawing Review, PTO-948 Other Other		under 35 U.S.C. § 119 (a	a)—(d).
 □ Certified copies of the priority documents have been received in Application No	•		
□ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)) *Certified copies not received: Attachment(s) Attachment(s) Information Disclosure Statement(s), PTO-1449, Paper No(s). 5 □ Interview Summary, PTO-413 Notice of Reference(s) Cited, PTO-892 □ Notice of Informal Patent Application, PTO-152 □ Notice of Draftsperson's Patent Drawing Review, PTO-948 □ Other □ Oth			
in this national stage application from the International Bureau (PCT Rule 17.2(a)) *Certified copies not received: Attachment(s) Interview Summary, PTO-413 Notice of Reference(s) Cited, PTO-892 Notice of Draftsperson's Patent Drawing Review, PTO-948 Other			No
*Certified copies not received: Attachment(s) Attachment(s) Interview Summary, PTO-413 Notice of Reference(s) Cited, PTO-892 Notice of Draftsperson's Patent Drawing Review, PTO-948 *Certified copies not received: Interview Summary, PTO-413 Notice of Informal Patent Application, PTO-152			O(a))
Attachment(s) Information Disclosure Statement(s), PTO-1449, Paper No(s) Interview Summary, PTO-413 Notice of Reference(s) Cited, PTO-892 Notice of Informal Patent Application, PTO-152 Notice of Draftsperson's Patent Drawing Review, PTO-948 Other			
Notice of Reference(s) Cited, PTO-892 □ Notice of Informal Patent Application, PTO-152 □ Notice of Draftsperson's Patent Drawing Review, PTO-948 □ Other	Attachment(s)		
Notice of Reference(s) Cited, PTO-892 □ Notice of Informal Patent Application, PTO-152 □ Notice of Draftsperson's Patent Drawing Review, PTO-948 □ Other	☑ Information Disclosure Statement(s), PTO-1449, Paper No.	o(s)5 🗆 🗆	nterview Summary, PTO-413
□ Notice of Draftsperson's Patent Drawing Review, PTO-948 □ Other □		• •	•
Office Action Summary		•	
	Office A	ction Summary	

U.S. Patent and Trademark Office PTO-326 (Rev. 11/00)

Part of Paper No.

Serial Number: 09/716,900 Page 2

Art Unit: 2862

The drawings are objected to because the blocks 10 and 5 in figs. 1 and 2 should be labeled. Correction is required.

The disclosure is objected to because of the following informalities: At page 16, line 4, it is not clear what the "magnet signal" refers to.

Appropriate correction is required.

Claims 1-15 are rejected under 35 U.S.C. 112, first paragraph, as containing subject matter which was not described in the specification in such a way as to enable one skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention.

Claim 1 recites the steps of externally modulating a supply voltage on a voltage supply line connected to the sensor, analyzing the modulated supply voltage received in the sensor with regard to fulfillment of a predetermined criterion stored in the sensor and interpreting the received modulated signal as an external communication signal if the criterion is fulfilled. It is not clear however, from the description at pages 8-17, what the modulation/demodulation circuit 10 includes, what the sensor with intelligent circuit comprises, what the voltage supply with a negative resistance characteristic comprises and how the elements which make up the modulation/demodulation circuit, the voltage supply and the sensor, structurally and functionally cooperate to carry out the various functions such as switching from normal operation into the "test mode or communication mode" (page 11, lines 11, 12), changing the behavior of the sensor

Serial Number: 09/716,900

Art Unit: 2862

(page 12, lines 8, 9) and return to normal operation. Nor is it clear how and where the modulated

supply voltage is analyzed and interpreted.

Claims 1-15 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for

failing to particularly point out and distinctly claim the subject matter which applicant regards as

the invention.

In claim 1; at lines 3 and 4, it is not clear what the output signal and the successive pulses

thereof represent. At lines 9 and 10, it is not clear what the stored predetermined criterion is

related to. At lines 11 and 12, it is not clear what an "external communication signal" represents

or defines.

Hagl, Mandel, Wetzel et al, Modgil and Renger are made of record to show sensing

systems using power supply lines for data transmission.

Any inquiry concerning this communication should be directed to G. R. Strecker at

telephone number (703) 305-4937.

Strecker/ds

03/12/02

Page 3